

CLAIMS

1. A luer fitting connector assembly operable to interconnect a male luer fitting member and a female luer fitting member, the luer fitting connector assembly comprising:
 - one of the male or female luer fitting members; and
 - a locking member mounted upon said one of the male or female luer fitting members, the locking member comprising a cavity grip having an indentation approximating the shape of a human thumbprint.
2. The luer fitting connector assembly of claim 1, wherein the locking member comprises a finlike handle.
3. The luer fitting connector assembly of claim 1, wherein the locking member comprises an undulating grip.
4. The luer fitting connector assembly of claim 1, wherein the locking member comprises a skeletal handle.
5. A luer fitting connector assembly operable to interconnect a male luer fitting member and a female luer fitting member, the luer fitting connector assembly comprising:
 - one of the male or female luer fitting members; and
 - a locking member mounted upon said one of the male or female luer fitting members, the locking member comprising at least one of a

skeletal handle, an undulating grip, and a finlike handle, wherein the finlike handle extends a majority of the longitudinal length of the locking member.

6. The luer fitting connector assembly of claim 5, wherein the locking member comprises a cavity grip having an indentation approximating the shape of a human thumbprint.
7. The luer fitting connector assembly of claim 5, wherein the finlike handle radially extends outward from approximately one longitudinal end of the locking member.
8. The luer fitting connector assembly of claim 5, wherein the undulating grip comprises ten waves.
9. The luer fitting connector assembly of claim 5, wherein the locking member comprises both a skeletal handle and an undulating grip.
10. The luer fitting connector assembly of claim 5, wherein the locking member comprises both a finlike handle and an undulating grip.
11. A luer fitting connector assembly operable to interconnect a male luer fitting member and a female luer fitting member, the luer fitting connector assembly comprising:

one of the male or female luer fitting members, said one of the male or female luer fitting members comprising a conical restraining

surface, the conical restraining surface comprising a rim approximately orthogonal to the longitudinal axis of said one of the male or female luer fitting members; and a locking member comprising a hollow central lumen, an annular, inwardly protruding plateau shaped protrusion, and a body that extends axially beyond at least a portion of the conical restraining surface and toward a proximal end of said one of the male or female luer fitting members when the locking member is mounted upon said one of the male or female luer fitting members.

12. The luer fitting connector assembly of claim 11 wherein said one of the male or female luer fitting members comprises an annular surface approximately orthogonal to the longitudinal axis of a fluid flow conduit, wherein the annular surface uniformly mates with a corresponding annular surface of the plateau shaped protrusion.
13. The luer fitting connector assembly of claim 11 wherein the rim uniformly mates with a corresponding annular surface of the plateau shaped protrusion.
14. A method of assembling a luer fitting connector assembly comprising a locking member and a male or female luer fitting member, the method comprising:
 - providing one of the male or female luer fitting members comprising a conical restraining surface, the conical restraining

surface comprising a rim approximately orthogonal to the longitudinal axis of said one of the male or female luer fitting members;

providing a locking member comprising a hollow central lumen, an annular, inwardly protruding plateau shaped protrusion, and a body that extends axially beyond at least a portion of the conical restraining surface and toward a proximal end of said one of the male or female luer fitting members when the locking member is mounted upon said one of the male or female luer fitting members; and

mounting the locking member upon said one of the male or female luer fitting members from the rear of said one of the male or female luer fitting members, whereby the luer fitting connector assembly is assembled.

15. The method of assembling a luer fitting connector assembly of claim 14, wherein said one of the male or female luer fitting members further comprises an annular surface approximately orthogonal to the longitudinal axis of a fluid flow conduit, the annular surface uniformly mates with a corresponding annular surface of the plateau shaped protrusion.
16. The method of assembling a luer fitting connector assembly of claim 14, wherein the rim uniformly mates with a corresponding annular surface of the plateau shaped protrusion.

17. The method of assembling a luer fitting connector assembly of claim 14, wherein the locking member comprises a finlike handle.
18. The method of assembling a luer fitting connector assembly of claim 14, wherein the locking member comprises an undulating grip.
19. The method of assembling a luer fitting connector assembly of claim 14, wherein the locking member comprises a skeletal handle.
20. The method of assembling a luer fitting connector assembly of claim 14, wherein the locking member is rotably mounted upon said one of the male or female luer fitting members.